

METHOD AND DE-INTERLACING APPARATUS THAT EMPLOYS  
RECURSIVELY GENERATED MOTION HISTORY MAPS

ABSTRACT OF THE DISCLOSURE

[0055] A de-interlacer includes recursive motion history map generating circuitry operative to determine a motion value associated with one or more pixels in interlaced fields based on pixel intensity information from at least two neighboring same polarity fields. The recursive motion history map generating circuitry generates a motion history map containing recursively generated motion history values for use in de-interlacing interlaced fields wherein the recursively generated motion history values are based, at least in part, on a decay function.